



Karl Herzfeld Memorial Lecture

Department of Physics

THE CATHOLIC UNIVERSITY OF AMERICA

Life, the Universe and Nothing: The Case for a Cosmological Constant

presented by:

Lawrence Krauss

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The standard model of cosmology of the 1980's is now dead. Its replacement may be far more bizarre. Data from a wide variety of independent cosmological and astrophysical observations, including some which have only recently been obtained, combine together to strongly suggest that there is a non-zero cosmological constant. If it is non-zero, then the energy density of the universe today may be dominated by empty space! Possible implications for particle theory of a non-zero cosmological constant will be briefly described.

November 11, 1998
in the Herzfeld Auditorium of Hannan Hall
4 p.m.

Reception immediately following lecture
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